

## **LMM/Colloids Publications and Presentations (Chaikin)**

- ME Leunissen, A van Blaaderen , AD Hollingsworth, MT Sullivan, PM Chaikin, "Electrostatics at the oil-water interface, stability, and order in emulsions and colloids," PNAS 104, 2585-2590, (2007).
- Chaikin, Paul "Reference Frame," Physics Today, June 2007 p8.
- Kun Zhao and David Huse, Christopher Harrison, W. B. Russel, P. M. Chaikin, "Nematic and Almost Tetratic Phases of Colloidal Rectangles" to be published in Phys. Rev. E.
- P. M., Chaikin, Donev, Aleksandar, Man, Weining, Stillinger, Frank H., Torquato, Salvatore, "Some observations on the random packing of hard ellipsoids," INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 45, 6960-6965 (2006).
- M. T. Sullivan, K. Zhao, A. D. Hollingsworth, R. H. Austin, W. B. Russel, and P. M. Chaikin, "An Electric Bottle for Colloids," Phys. Rev. Lett. 96, 015703 (2006).
- Weining Man, Mischa Megens, Paul J. Steinhardt, P. M. Chaikin, "Experimental measurement of the photonic properties of icosahedral quasicrystals," Nature 436, 993-996 (2005).
- Valignat MP, Theodoly O, Crocker JC, Russel WB, Chaikin PM "Reversible self-assembly and directed assembly of DNA-linked micrometer-sized colloids," PNAS 102, 4225 ( 2005).
- "Experiments on Random Packings of Ellipsoids," Man WN, Donev A, Stillinger FH, Sullivan MT, Russel WB, Heeger D, Inati S, Torquato S, Chaikin PM Source: Phys. Rev. Lett. 94, 198001 (2005).
- Aleksandar Donev, Ibrahim Cisse, David Sachs, Evan A. Variano, Frank H. Stillinger, Robert Connelly, Salvatore Torquato, and P. M. Chaikin, "Improving the Density of Jammed Disordered Packings Using Ellipsoids," Science 303, 990 (2004).
- Aleksandar Donev, Frank H. Stillinger, P. M. Chaikin, and Salvatore Torquato, "Unusually dense Crystal Packings of Ellipsoids," Phys. Rev. Lett. 92, 255506-1 (2004).